

**Bachelor of Information Technology (Honours) Data Communications & Networking - October 2013 Intake**

	Beta Level						Gamma Level						Delta Level						TOTAL
	T2 June Intake		T3 June Intake		T1 June Intake		T2 June Intake		T3 June Intake		T1 June Intake		T2 June Intake		T3 June Intake		T1 June Intake		
	Trimester 1	CH	Trimester 2	CH	Trimester 3	CH	Trimester 1	CH	Trimester 2	CH	Trimester 3	CH	Trimester 1	CH	Trimester 2	CH	Trimester 3	CH	
<b>Core</b>	Mathematical Techniques I	3			Mathematical Techniques II	3	Data Structures & Algorithms	3			Probability & Statistics	4	Internet Computing	3					16
	Computer Programming I	3			Computer Programming II	3	Object-Oriented Programming	3											9
	Operating Systems	3			Digital Systems	4	Introduction to Machine Architecture	4											11
	Database Systems	3			Discrete Structures	4													7
	Data Communications & Networking	4																	4
<b>Major</b>					System Analysis & Design	3	Software Engineering Fundamentals	3			TCP/IP Programming	3	Project I	3			Project II	3	15
					Computer Networks	3	Routing & Switching	3	Technopreneur Venture	2	Network System for Multimedia	3	Cryptography & Data Security	3			Client-Server Computing	3	17
							High-Speed Networks	3					Real Time Systems	3			Network Security & Management	3	9
													Mobile & Wireless Communications	3			Ethics & Professional Conducts	3	6
<b>Industrial Training</b>														Industrial Training	6			6	
<b>Elective</b>											Elective 1*	3	Elective 3*	3			Elective 4*	3	9
											Elective 2*	3							3
<b>Arts and Humanities</b>			Business & Entrepreneurship in Malaysia	3				Bahasa Melayu Komunikasi 2/ Tamadun Islam dan Tamadun Asia	3										6
			Bahasa Kebangsaan A or Foreign Language	3				Pengajian Malaysia 3/ Hubungan Etnik	3										6
			Co-Curriculum	2															2
<b>Total Courses</b>	5	3	6	6	2	6	2	6	6	1	5	40							
<b>Total Credits</b>	16	8	20	19	8	16	18	6	15	126									

**Elective subjects are to be selected from the following list:**

- |                                       |   |
|---------------------------------------|---|
| Enterprise Resource Planning          | Management Information System           |
| CyberLaw and E-Commerce               | Agent Technology                        |
| Introduction to Knowledge Management  | IT Project Management Methods and Tools |
| Ethical Hacking & Security Assessment | Information Systems Audit               |

**Arts and Humanities Subjects:**

Malaysian students with a credit in SPM Bahasa Melayu are to take the following subjects:

- (1) Hubungan Etnik (2) Tamadun Islam dan Tamadun Asia (3) Foreign Language (not native language) (4) Business and Entrepreneurship in Malaysia (5) Co-Curriculum

Malaysian students without a credit in SPM Bahasa Melayu are to take the following subjects:

- (1) Hubungan Etnik (2) Tamadun Islam dan Tamadun Asia (3) Bahasa Kebangsaan A (4) Business and Entrepreneurship in Malaysia (5) Co-Curriculum

International students are to take the following subjects:

- (1) Pengajian Malaysia 3 (2) Bahasa Melayu Komunikasi 2 (3) Foreign Language (not native language) (4) Business and Entrepreneurship in Malaysia (5) Co-Curriculum